

# ***StormReady***

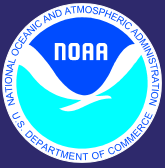
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**Working Together to Save Lives**

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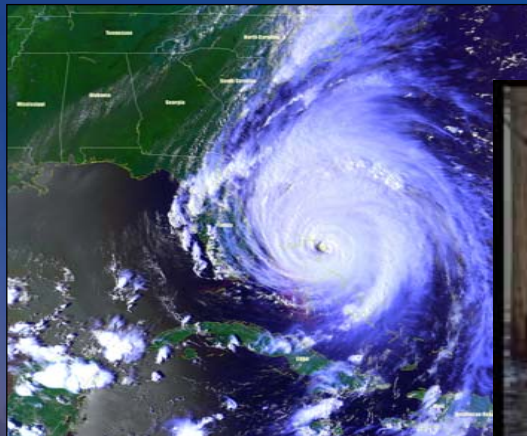
***Stephan C. Kuhl***

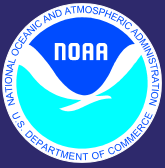
***National Warning Coordination  
Meteorologist Program Manager  
Washington D.C.***



# Why do we need StormReady?

- Approximately 90% of all Presidentially declared disasters are weather related
- On average there are 500 weather related deaths each year across America
- Severe weather causes nearly \$14 Billion in property damage each year

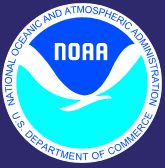




# What is StormReady?

- StormReady is a “grass roots” program that focuses on improving communication and severe weather preparedness in communities
- StormReady helps community leaders and emergency managers strengthen local safety programs
- StormReady prepares communities for severe weather - *from tornadoes to tsunamis*
- StormReady provides community leaders and emergency managers with detailed and clear guidance on how to improve their warning and weather preparedness programs

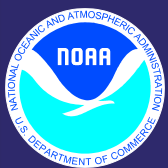




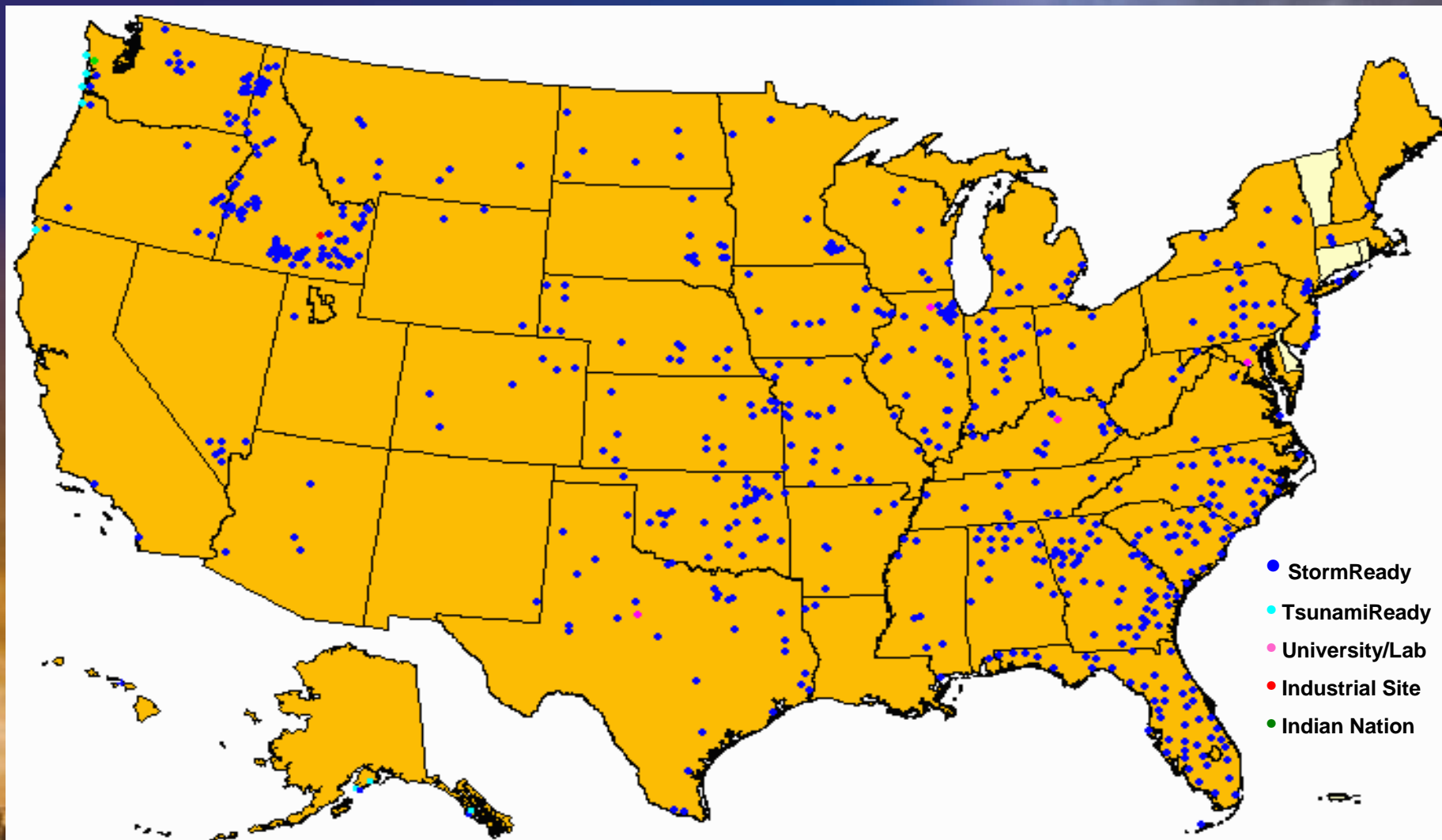
# StormReady Incentives

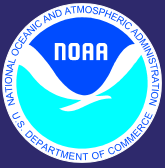
- **Improve timeliness of hazardous weather warning reception and dissemination for community**
- **Help local Emergency Managers justify costs of hazardous weather-related programs**
- **Provide an “image incentive” to community**
- **Encourage surrounding areas to improve their hazardous weather preparedness programs**
- **Receive 25 Community Rating System Points to possibly lower National Flood Insurance Plan premiums**





# As of November 2003 there are over 660 Storm/TsunamiReady Communities in 46 States

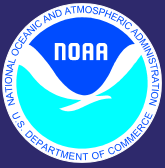




# StormReady Community Defined



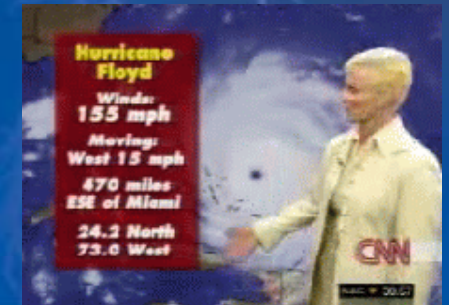
- StormReady defines “community” as a group of people within a locality that have common social and economic interests with an infrastructure that supports the communication and education role of the National Weather Service to protect lives and property
- “Community” includes cities, towns, universities, Indian Nations, and government and private entities
- “County” includes Parish

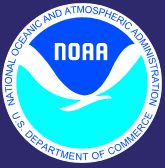


# How does a Community become StormReady?



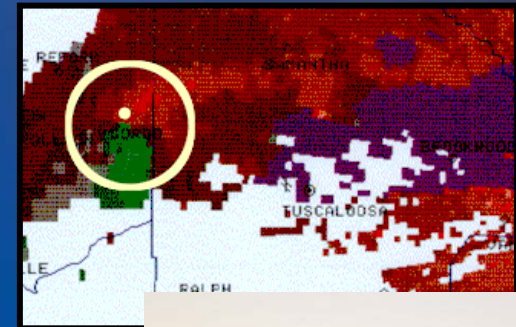
- **Establish Communication and Coordination Plans**
  - - 24 Hour Warning Point
  - - Emergency Operations Center
- **Receive Critical Warning Information**
  - - NOAA Weather Radio
  - - NOAA Weather Wire
  - - Emergency Managers Weather Information Network
  - - News Media (Radio/TV)
  - - Internet
  - - Pagers, cell phones, etc.



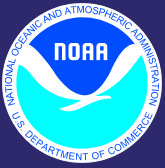


# How does a Community become StormReady? (contd)

- **Monitor Evolving Weather**
  - - Weather instruments
  - - River gage monitoring
  - - Radar access (Internet, local providers)
- **Disseminate Warnings**
  - - Emergency Alert System
  - - Cable Override
  - - NOAA Weather Radio in public buildings
  - - Sirens
  - - Other systems unique to the area





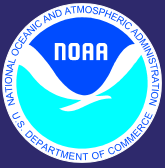


# How does a Community become StormReady? (contd)



- **Increase Community Preparedness**
  - - Spotter and dispatcher severe weather training
  - - Public weather safety presentations
- **Enhance Internal Operational Procedures**
  - - Review of hazardous weather action plan

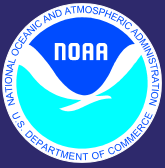




# **StormReady Recognition Process**



- **Community applies in writing to local NWS Forecast Office**
- **Local StormReady Advisory Board reviews application**
- **StormReady Advisory Board performs on-site verification visit to ensure all StormReady criteria are met**
- **If criteria are not met, StormReady Advisory Board suggests improvements and works with the community to implement necessary changes**
- **Once all criteria are met, a recognition Ceremony and Press Conference is held for community**

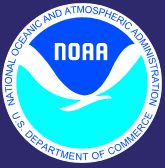


# Successful Applicants Receive:



- StormReady recognition letter from local NWS Office Meteorologist in Charge, valid for 3 years
- Two official StormReady signs
- Authorization to use the StormReady logo
- Instructions for acquiring additional signs
- Information on how to notify the ISO for possible flood insurance rate adjustments
- Listing on the Natl StormReady Website

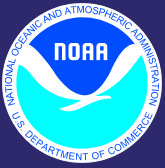




# StormReady Renewal Process

- **NWS Meteorologist-in-Charge should send a notification letter to communities that need to re-apply with 6 months advance notice**
- **Letter includes a copy of the original Application and a request that local officials review the application to certify that it is still accurate**
- **Community official should provide an updated list of any new technology or information that has been added since the initial application was signed**
- **Once a community official signs the application and returns it to the NWS local office, the 3-year renewal becomes effective**

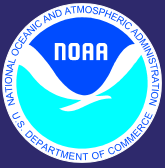




# NWS StormReady Web Page



- **StormReady Main Page:** Welcome to the program
- **Communities:** National map of StormReady communities
- **How to Apply:** Application process details. Application is available in WordPerfect, MS Word, PDF, and on-line formats. There's also a "Tool Kit for Emergency Managers"
- **Resources/TsunamiReady:** Info on TsunamiReady and ability for you to e:mail us with your best practices
- **Awareness:** Weather safety brochures and materials
- **Publications/Photos:** FAQs, brochures, ceremony photos, StormReady History
- **Contact Us:** State map of USA. Click on a state to get your local NWS StormReady contact

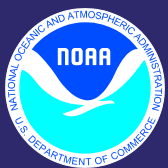


# StormReady & TsunamiReady Web Resources

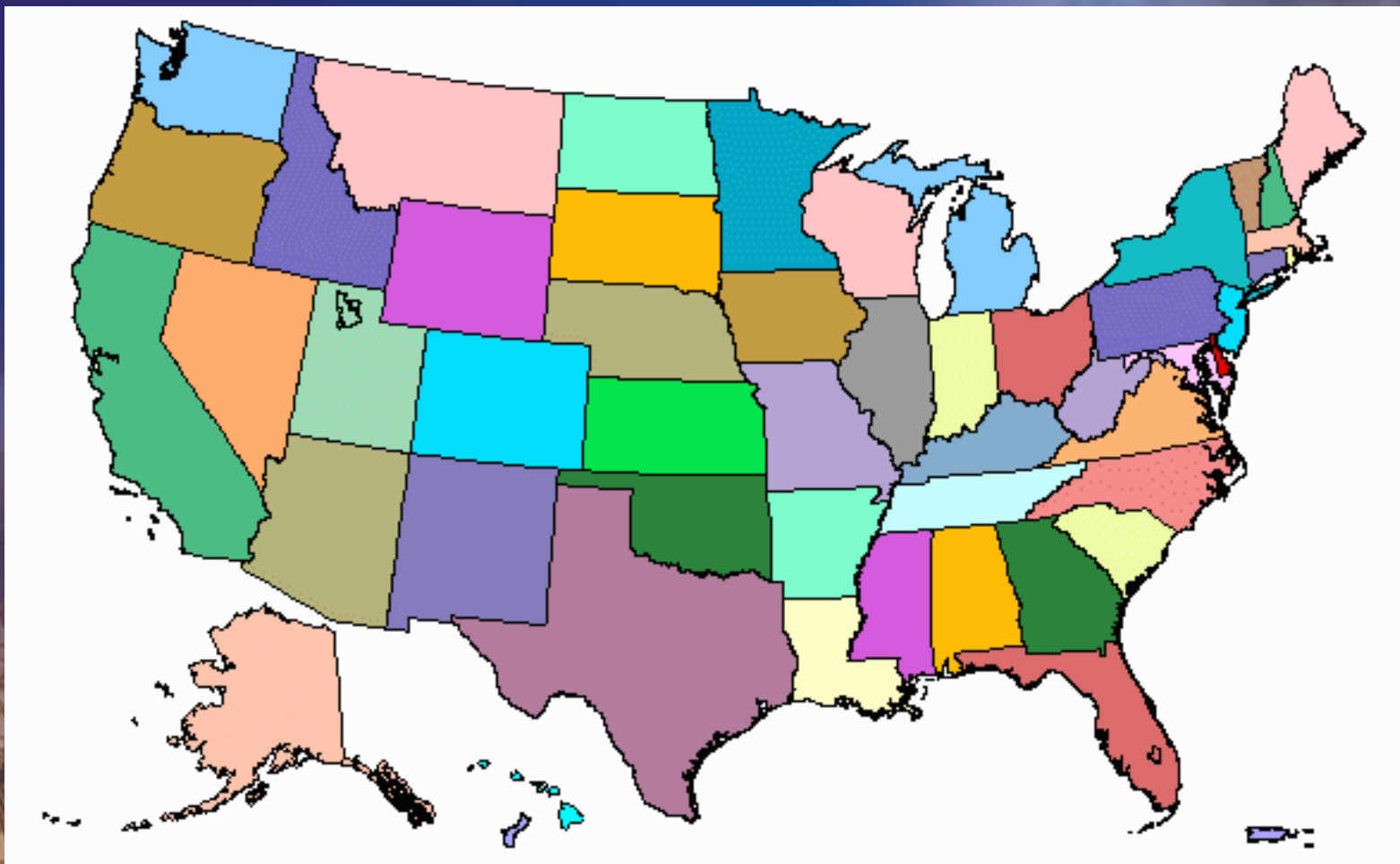


- NWS StormReady Page:  
[www.stormready.noaa.gov](http://www.stormready.noaa.gov)
- NWS TsunamiReady Page:  
[wcatwc.gov/tsunamiready/tready.htm](http://wcatwc.gov/tsunamiready/tready.htm)
- NWS West Coast & Alaska Tsunami Warning Center: [wcatwc.gov/main.htm](http://wcatwc.gov/main.htm)
- NWS Pacific Tsunami Warning Center:  
[www.prh.noaa.gov/pr/ptwc](http://www.prh.noaa.gov/pr/ptwc)

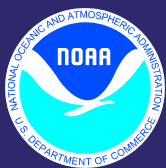




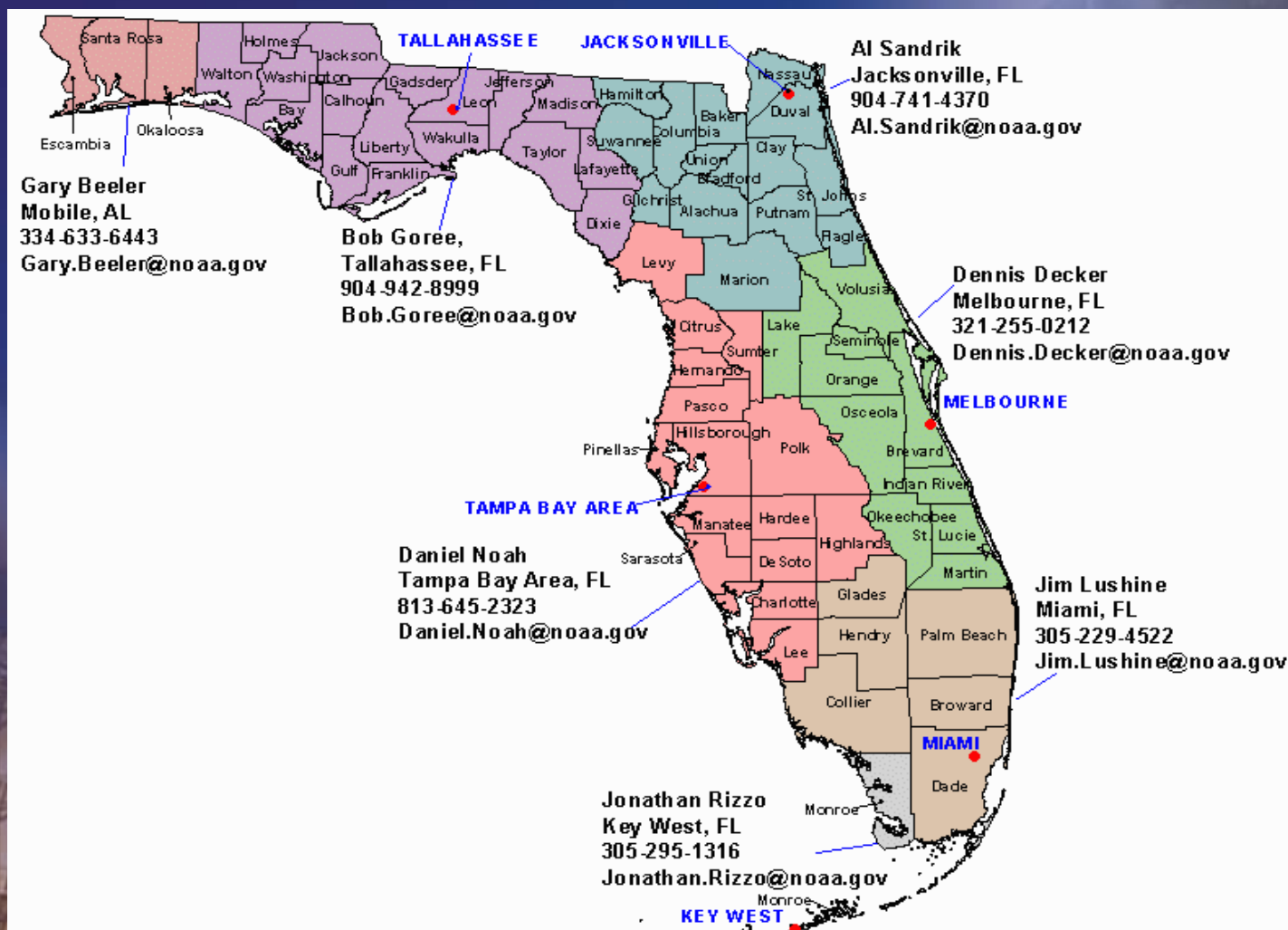
# StormReady Contacts: Local NWS Warning Coordination Meteorologists



[www.stormready.noaa.gov/contact.htm](http://www.stormready.noaa.gov/contact.htm)

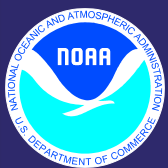


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# StormReady Success Story

## Van Wert, Ohio

### F4 Tornado - 11/10/02



Photo courtesy Ben Waltz



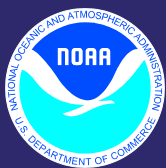
Photo courtesy of Paul Van Dyke



Photo courtesy of Paul Van Dyke



Photo courtesy of Paul Van Dyke



# ***Thank You!***

